

COLLOIDS AND SURFACES

A: PHYSICOCHEMICAL AND ENGINEERING ASPECTS

VOL. 171 NOS. 1-3

10 OCTOBER 2000

CONTENTS

(Abstracted/indexed in: Chemical Abstracts; Current Contents; Physical, Chemical & Earth Sciences; INSPEC; PASCAL/CNRS)

(Special Issue: In Honour of D. Möbius)

Editorial	1
π -Electron systems — building blocks of supramolecular machines	
H. Kuhn (Tschingel, Switzerland)	3
Multiple cholesterol-phospholipid complexes in membranes	
T.G. Anderson and H.M. McConnell (Stanford, CA, USA)	13
From Langmuir monolayers to nanocapsules	
H. Möhwald (Potsdam, Germany)	25
Why a Brewster angle microscope?	
J. Meunier (Paris, France)	33
Phase diagrams for monolayers of long-chain thioacetates	
G. Marshall, E. Teer, C.M. Knobler (Los Angeles, CA, USA), M. Schalke and M. Lösche (Leipzig, Germany)	41
Morphology and phase behaviour of monoglyceride monolayers on aqueous sugar substrates	
N. Krasteva and D. Vollhardt (Potsdam, Germany)	49
What X-rays tell us about the ordering of molecular backbones in Langmuir monolayers	
P. Dutta (Evanston, IL, USA)	59
Study of the properties of LB films of a new cellulose derivative bearing terthienyl side groups	
N. Ranieri and G. Wegner (Mainz, Germany)	65
Light scattering microscopy from monolayers and nanoparticles at the air/water interface	
W.R. Schief, S.R. Dennis, W. Frey and V. Vogel (Seattle, WA, USA)	75
Texture of fatty acid Langmuir films studied by means of Brewster angle reflectometry	
S. Katholy, J. Reiche and L. Brehmer (Potsdam, Germany)	87
Monolayer structures of triple-chain phosphatidylcholines as substrates for phospholipases	
U. Dahmen-Levison, G. Brezesinski and H. Möhwald (Golm/Potsdam, Germany)	97
Phase transition in adsorbed monolayers of 2-hydroxyethyl laurate at the air-water interface	
M.M. Hossain, M. Yoshida, K.-i. Iimura, N. Suzuki and T. Kato (Utsunomiya, Japan)	105
Surface-plasmon field-enhanced fluorescence spectroscopy	
T. Liebermann and W. Knoll (Mainz, Germany)	115

(Continued on page 295)

CONTENTS
direct

This journal is part of **ContentsDirect**, the *free* alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. You can register for **ContentsDirect** online at: www.elsevier.nl/locate/colsurfa



0927-7757(20001010)171:1:3;1-E

continued from outside back cover

Dilational viscoelastic behaviors of homopolymer monolayers: surface light scattering analysis A.R. Esker, L.-H. Zhang, B.B. Sauer, W. Lee and H. Yu (Madison, WI, USA)	131
Effects of thermal roughness on X-ray studies of liquid surfaces P.S. Pershan (Cambridge, USA)	149
Application of impedance spectroscopy to the study of organic multilayer devices M.C. Petty, C. Pearson, A.P. Monkman (Durham, UK), R. Casalini, S. Capaccioli (Pisa, Italy) and J. Nagel (Dresden, Germany)	159
Dynamic monolayer behavior of a photo-responsive azobenzene surfactant I. Kim (Davis, CA, USA), J.F. Rabolt (Newark, DE, USA) and P. Stroeve (Davis, CA, USA)	167
Effect of protein penetration into phospholipid monolayers: morphology and structure J. Zhao, D. Vollhardt, G. Brezesinski, S. Siegel (Golm/Potsdam, Germany), J. Wu (Beijing, People's Republic of China), J.B. Li and R. Miller (Golm/Potsdam, Germany)	175
Studies of a novel polymerizable amphiphilic dendrimer G. Sui, M. Micic, Q. Huo and R.M. Leblanc (Coral Gables, FL, USA)	185
Thickness and organization of black films using confocal micro-Raman spectroscopy F. Capelle, F. Lhert, D. Blaudez, H. Kellay and J.M. Turllet (Talence, France)	199
Interfacial acid-base equilibrium and electrostatic potentials of model Langmuir-Blodgett membranes in contact with phosphate buffer J.G. Petrov (Sofia, Bulgaria) and D. Möbius (Göttingen, Germany)	207
The structure of mixed monolayer films of DPPC and hexadecanol G.A. Lawrie, I.R. Gentle and G.T. Barnes (Brisbane, Australia)	217
Application of 2D IR correlation analysis to phase transitions in Langmuir monolayer films D.L. Elmore and R.A. Dluhy (Athens, GA, USA)	225
Monolayers of nanosized Au ₅₅ -clusters: preparation and characterization L.F. Chi, S. Rakers, M. Hartig, M. Gleiche, H. Fuchs (Münster, Germany) and G. Schmid (Essen, Germany)	241
Robustness of monolayers on the solids; comparative studies on thermal, solvent, pH, and mechanical resistance among 1-layer LB films of cadmium arachidate and alkylchlorosilanes K.-i. Iimura and T. Kato (Utsunomiya, Japan)	249
Morphological transcription of monolayer domains to aggregates: specific adsorption of cyanine dyes to pre-compressed chiral monolayers N. Kimizuka, H. Ohira, K. Hattori and T. Kunitake (Fukuoka, Japan)	265
Spin crossover phenomenon of a semi-fluorinated iron (II) complex organized in a Langmuir-Blodgett film H. Soyer, E. Dupart, C. Mingotaud (Pessac, France), C.J. Gomez-Garcia (Burjasot, Spain) and P. Delhaès (Pessac, France)	275
Monolayers of the photosensitive benzodithia-15-crown-5 derivative S.Y. Zaitsev, E.A. Baryshnikova, T.A. Sergeeva, S.P. Gromov, O.A. Fedorova, O.V. Yescheulova, M.V. Alfimov (Moscow, Russia), S. Hacke, W. Zeiss and D. Möbius (Göttingen, Germany)	283
<i>Calendar</i>	291

